General data of the project

Name of the project:
„A new anti-invasive experimental strategy for infiltrative malignant gliomas”

Project code:
PN-II-RU-TE-2012-3-0235

Contract number:
42/30.05.2013

Financing resource:
Governmental budget

The contractor:
Executive Agency for Higher Education, Research, Development and Innovation (UEFISCDI) - Ministry of National Education (MEN)

Program:
Human resources

Subprogram:
Projects to stimulate the young researcher teams

Project timing:
May 2013 - September 2016

Scientific research team:
1. Felix Mircea Brehar - director of the project
2. Mircea Radu Gorgan - senior researcher
3. Mirela Amairah - senior researcher
4. Radu Rizea - postdoc researcher
5. Andrei Giovani - PhD student

Objectives of the project:

Phase I (2013):
Objective 1.1. The evaluation of the genes involved in invasion of gliomas in the glioblastoma samples and in the primary glioblastoma culture, through qPCR analysis.
Objective 1.2. Evaluation of the genes involved in glioma invasion in the glioblastoma lines through qPCR
Obiectiv 1.3. Development of a new experimental glioblastoma invasion model: model type “organotypic brain slices”

Phase II (2014):

Objective 2.1. Evaluation of a new experimental model of invasion in glioblastoma: „organotypic brain slices” model
Objective 2.2. Objective II. Gene/Molecule blocking, involved in glioma invasion – evaluation through “scrape migration assay” technique “
Phase III (2015):
Objective 3.1. Gene/Molecule blocking, involved in glioma invasion – evaluation through „transwell migration assay”.
Objective 3.2. Molecule blocking, involved in glioma invasion – evaluation through „organotypic brain slices” model.
Etapa IV (2016):
Objective 4.1. Molecule blocking, involved in glioma invasion – evaluation of expression in tissue of the molecules involved in glioma invasion
Objective 4.2. Final conclusions and final report.